PRODUCT GUIDE
ADS-HCX

DOCUMENT NUMBER

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20150618

NOTICE
The manufacturer will accept no responsability for any electrical damage resulting from improper installation of this product, be that either damage to the vehicle itself or to the installed device. This device must be installed by a certified technician. Please review the Installation Guide carefully before beginning any work.

U.S. Patent No. 8,856,780
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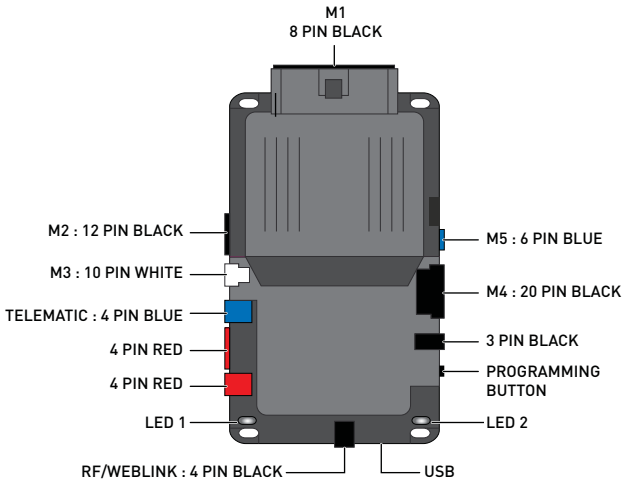
BOX CONTENTS

HC MODULE
Included with the HCF, HCX, HC1, HC2
Part Numbers: HCF900A, HC1151AC, HC2351AC, HC2352AC, HCX000A



8 PIN BLACK CONNECTOR

12 PIN BLACK CONNECTOR

10 PIN WHITE CONNECTOR

20 PIN BLACK CONNECTOR

6 PIN BLUE CONNECTOR

AFTERMARKET HOOD SWITCH AND CABLE

[2x] STICKERS

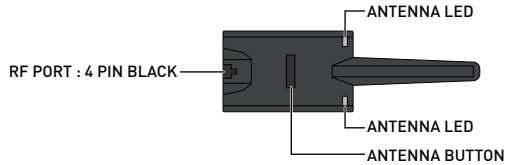
[1x] 1-WAY REMOTE
[1x] 2-WAY REMOTE
Included with the HC2
Part Number: HC2351AC

[2x] 2-WAY REMOTES
Included with the HC2
Part Number: HC2352AC

DECODER
Included with the HCF
Part Number: HCF900A

BLUE CABLE WITH 4 PIN BLACK CONNECTORS

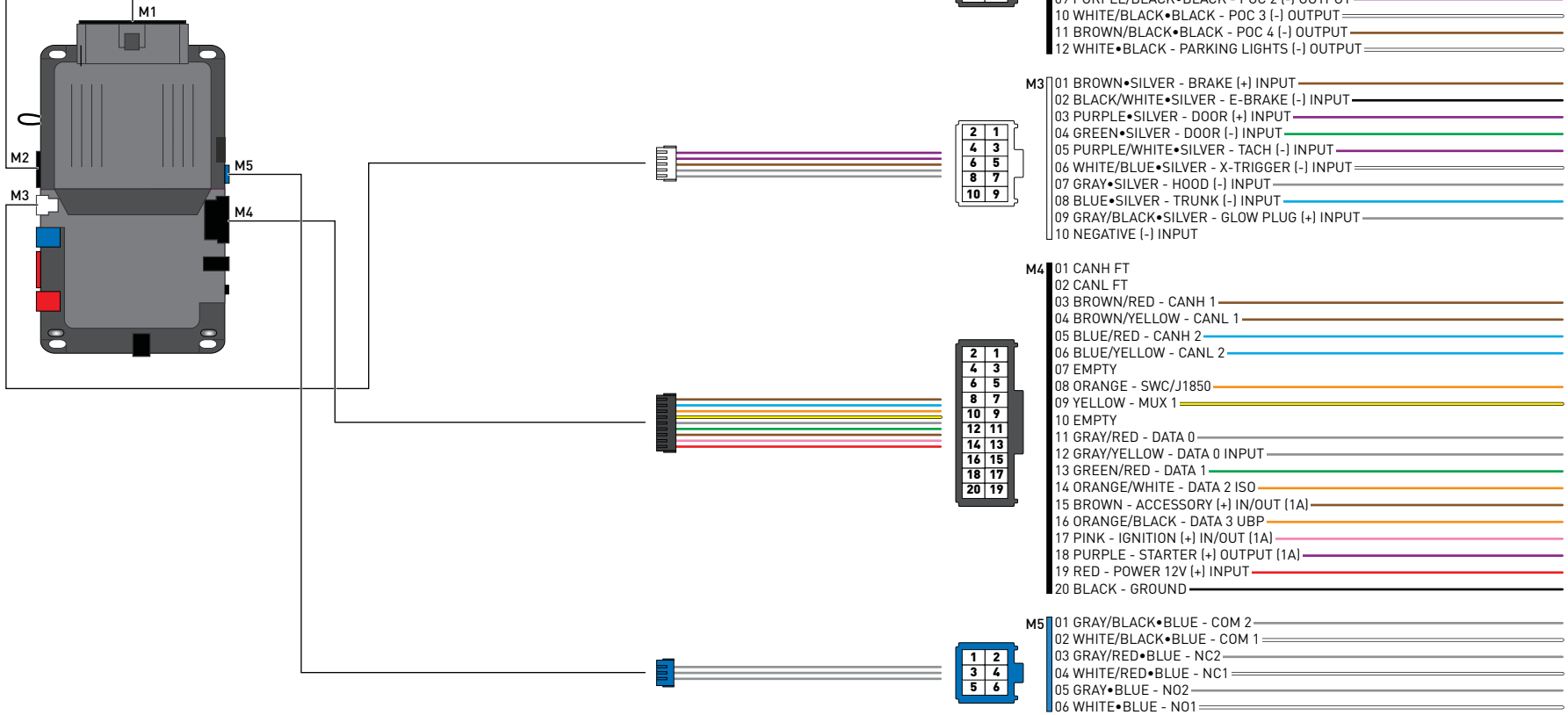
ANTENNA
Included with the HC1, HC2
Part Numbers: HC1151AC, HC2351AC, HC2352AC



BLACK CABLE WITH 4 PIN BLUE CONNECTORS

[2x] 1-WAY REMOTES
Included with the HC1
Part Number: HC1151AC

HC MODULE



M1
- 01 ORANGE - ACCESSORY
- 02 RED - POWER (30A)
- 03 PURPLE - STARTER
- 04 PINK/WHITE - PROG. 1
- 05 PINK - IGNITION
- 06 WHITE - PROG. 2 (10A)
- 07 RED - POWER (30A)
- 08 BLACK - GROUND

M2
- 01 GREEN•BLACK - EPOC 1 (-) OUTPUT
- 02 BLUE•BLACK - EPOC 2 (-) OUTPUT
- 03 RED/WHITE•BLACK - EPOC 3 (-) OUTPUT
- 04 GREEN/WHITE•BLACK - EPOC 4 (-) OUTPUT
- 05 GREEN/BLACK•BLACK - EPOC 5 (-) OUTPUT
- 06 BLUE/WHITE•BLACK - GWR (-) OUTPUT
- 07 EMPTY
- 08 WHITE/PURPLE•BLACK - POC 1 (-) OUTPUT
- 09 PURPLE/BLACK•BLACK - POC 2 (-) OUTPUT
- 10 WHITE/BLACK•BLACK - POC 3 (-) OUTPUT
- 11 BROWN/BLACK•BLACK - POC 4 (-) OUTPUT
- 12 WHITE•BLACK - PARKING LIGHTS (-) OUTPUT

M3
- 01 BROWN•SILVER - BRAKE (+) INPUT
- 02 BLACK/WHITE•SILVER - E-BRAKE (-) INPUT
- 03 PURPLE•SILVER - DOOR (+) INPUT
- 04 GREEN•SILVER - DOOR (-) INPUT
- 05 PURPLE/WHITE•SILVER - TACH (-) INPUT
- 06 WHITE/BLUE•SILVER - X-TRIGGER (-) INPUT
- 07 GRAY•SILVER - HOOD (-) INPUT
- 08 BLUE•SILVER - TRUNK (-) INPUT
- 09 GRAY/BLACK•SILVER - GLOW PLUG (+) INPUT
- 10 NEGATIVE (-) INPUT

M4
- 01 CANH FT
- 02 CANL FT
- 03 BROWN/RED - CANH 1
- 04 BROWN/YELLOW - CANL 1
- 05 BLUE/RED - CANH 2
- 06 BLUE/YELLOW - CANL 2
- 07 EMPTY
- 08 ORANGE - SWC/J1850
- 09 YELLOW - MUX 1
- 10 EMPTY
- 11 GRAY/RED - DATA 0
- 12 GRAY/YELLOW - DATA 0 INPUT
- 13 GREEN/RED - DATA 1
- 14 ORANGE/WHITE - DATA 2 ISO
- 15 BROWN - ACCESSORY (+) IN/OUT (1A)
- 16 ORANGE/BLACK - DATA 3 UBP
- 17 PINK - IGNITION (+) IN/OUT (1A)
- 18 PURPLE - STARTER (+) OUTPUT (1A)
- 19 RED - POWER 12V (+) INPUT
- 20 BLACK - GROUND

M5
- 01 GRAY/BLACK•BLUE - COM 2
- 02 WHITE/BLACK•BLUE - COM 1
- 03 GRAY/RED•BLUE - NC2
- 04 WHITE/RED•BLUE - NC1
- 05 GRAY•BLUE - NO2
- 06 WHITE•BLUE - NO1

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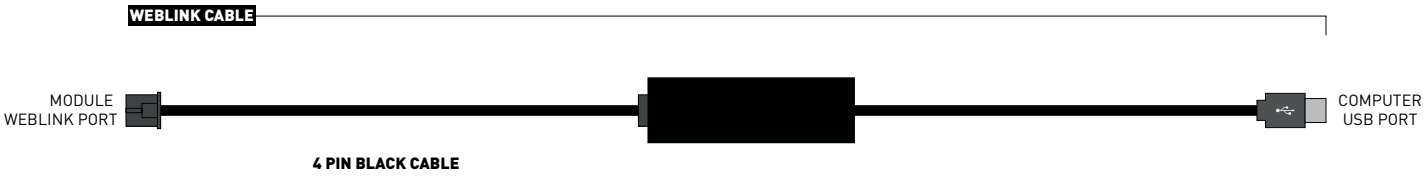
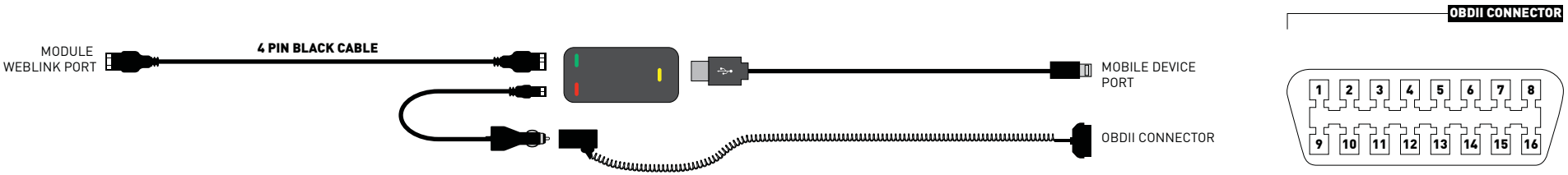
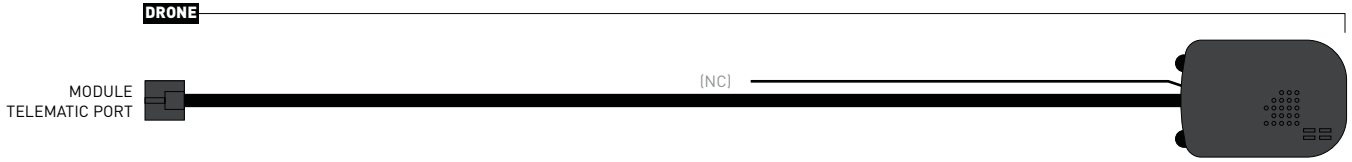
WEBLINK CABLE (required accessory sold separately)



WEBLINK MOBILE (required accessory sold separately)



TELEMATIC KIT (accessory sold separately)



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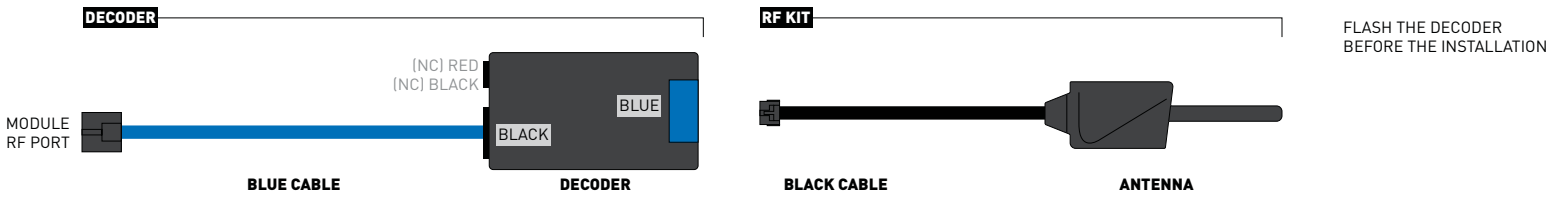
DECODER (included with the HCF) RF KIT (sold separately)



FLASH THE DECODER
BEFORE THE INSTALLATION

RF KIT (included with the HC1 & HC2)

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NOTE: In Valet Mode, the Remote starter is not functional. Keyless entry, Lock and Unlock will remain functional. See RF kit user manual for alternate valet mode programming.

01

Time restriction. Complete next step within 7 seconds.

02

Cycle ignition ON twice [2x OFF/ON] rapidly.

03

Press and release the BRAKE pedal three times [3x].

04

Parking Light will flash once [1x] then will flash twice [2x].

05

Set ignition to OFF position.

06

Valet Mode Programming Procedure completed.

>>

To exit valet mode: repeat steps 1 to 5.

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WARNING: Program aftermarket remotes before usage. A maximum of four [4x] aftermarket remotes per system.

01

Set ignition to ON position.

02

Press and release the antenna button, then press and hold the antenna button. The antenna's leds will turn solid BLUE.

03

Parking Light will flash once [1x].

04

Press once [1x] on LOCK button of aftermarket remote. The antenna's leds will flash BLUE once [1x].

>>

To program additional remotes: repeat step 5 using each additional remote.

05

Release the antenna button. The antenna's leds will turn OFF.

06

Wait, Parking Light will flash twice [2x].

07

Set ignition to OFF position.

08

Aftermarket Remote Programming Procedure completed.

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	OPTIONS		SETTINGS	
01 - REMOTE STARTER OPTION	01	ENGINE/WAIT TO START	**01**	**GAS**
			02	DIESEL (GLOW PLUG)
			03	3 SEC
			04	5 SEC
			05	10 SEC
			06	15 SEC
			07	25 SEC
			08	45 SEC
	02	ENGINE SENSING	**01**	**TACH**
			02	TACHLESS
			03	ASSUME START (2)
			04	ASSUME START (2.5)
			05	ASSUME START (3)
			06	ASSUME START (4)
			07	ASSUME START (5)
	03	RUN TIME	01	3 MIN
			02	5 MIN
			03	10 MIN
			04	**15 MIN**
			05	25 MIN
			06	30 MIN
			07	35 MIN
	04	PROGRAMMABLE 4TH RELAY	**01**	**IGNITION**
			02	ACCESSORIES
			03	STARTER
			04	TRUNK
			05	PARKING
	05	PROGRAMMABLE 5TH RELAY	01	IGNITION
			02	ACCESSORIES
			03	STARTER
			04	TRUNK
			05	**PARKING**
	06	MT ACTIVATION SEQUENCE	**01**	**REMOTE**
			02	2X EBRAKE
			03	1X EBRAKE
	07	MT SHUTDOWN SEQUENCE	01	OPEN/CLOSE DOOR
			02	10 SEC AFTER OPEN/CLOSE DOOR
			03	**REMOTE**
	08	WEATHER MODE	**01**	**DISABLE**

Default settings are listed in bold.

	OPTIONS		SETTINGS	
01 - REMOTE STARTER OPTION	08	WEATHER MODE	02	EVERY 2 HOUR
			03	EVERY 3 HOUR
			04	EVERY 4 HOUR
			05	WITH TEMP SENSOR
	09	TEMP SENSOR FOR COLD WEATHER	**01**	**DISABLE**
			02	-20C/-4F
			03	-15C/5F
			04	-10C/14F
			05	-5C/23F
	10	TEMP SENSOR FOR HOT WEATHER	**01**	**DISABLE**
			02	25C/77F
			03	30C/86F
			04	35C/85F
			05	40C/104F
	11	IDLE MODE	01	DISABLE
			02	**ENABLE**
	12	TURBO TIMER	**01**	**DISABLE**
			02	30 SEC
			03	1 MIN
			04	2 MIN
			05	4 MIN
	13	TAKE OVER BEHAVIOUR	**01**	**ENABLE**
			02	SHUTDOWN WITH DOOR
			03	SHUTDOWN WITH UNLOCK
	14	SECURE TAKE OVER DELAY	01	**45 SEC**
			02	90 SEC
			03	3 MIN
			04	4 MIN
	15	FACTORY KEYLESS RS SEQUENCE	01	DISABLE
			02	HOLD LOCK 3 SEC
			03	LOCK, UNLOCK, LOCK
			04	**LOCK, LOCK, LOCK**
	16	EXTERNAL RS INPUT TRIGGER (X-TRIG	**01**	**DISABLE**
			02	SINGLE PULSE (-)
			03	DOUBLE PULSE (-)(-)
			04	TRIPLE PULSE (-)(-)(-)
			05	ANALOG FACTORY KEYLESS X-TRIGGER =LOCK INPUT DOOR(+) =UNLOCK INPUT
	17	VALET MODE	01	REMOTE OR 5 X IGNITION ON OR 2 X IGN. ON + 3 BRAKE
			02	REMOTE OR ANTENNA BUTTON ONLY

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	OPTIONS		SETTINGS	
01 - REMOTE STARTER OPTION	17	VALET MODE	03	REMOTE OR ANTENNA OR 5 X IGN ON OR 2 X IGN ON + 3 BRAKE
			04	REMOTE OR 5 X IGN ON
			05	**ANTENNA OR REMOTE OR 2 X IGN ON + 3 BRAKE**
			06	5 X IGN ON OR 2 X IGN ON + 3 BRAKE
			07	ANTENNA BUTTON ONLY
			08	ANTENNA OR 5 X IGNITION ON OR 2 X IGN ON + 3 BRAKE
	18	HEATED ACC CONTROL	01	AUX TRIGGER
			02	ALWAYS ON
			03	-10C/14F
			04	-5C/24F
			05	0C/32F
			06	4C/40F
			07	8C/46F
			08	**12C/54F**
	19	COOLED SEATS CONTROL	01	AUX TRIGGER
			02	ALWAYS ON
			03	**20C/68F**
			04	24C/76F
			05	28C/82F
			06	32C/90F
			07	36C/96F
	20	RS PARKING LIGHTS CONFIRMATION	01	DISABLE
			02	**CONSTANT**
			03	FLASHING
	21	CRANK TIME ADJUSTMENT (TACH)	**01**	**DISABLE**
			02	+0.2 SECOND TO CRANK
			03	+0.6 SECOND TO CRANK
			04	-0.2 SECOND TO CRANK
	22	REMOTE STARTER	01	DISABLE
			02	**ENABLE**
02 - DOORLOCK OPTION	01	DOORLOCK ANALOG OUTPUT DURATION	01	0.4 SEC
			02	**0.8 SEC**
			03	2 SEC
			04	4 SEC
	02	TRUNK ANALOG OUTPUT DURATION	01	0.4 SEC
			02	**0.8 SEC**
			03	2 SEC
			04	4 SEC

	OPTIONS		SETTINGS	
02 - DOORLOCK OPTION	03	PRIORITY UNLOCK	**01**	**DISABLE**
			02	ENABLE
	04	DOUBLE PULSE LOCK	**01**	**DISABLE**
			02	ENABLE
	05	DOUBLE PULSE UNLOCK	**01**	**DISABLE**
			02	ENABLE
	06	AUTO RE-LOCK	**01**	**DISABLE**
			02	ENABLE
	07	UNLOCK BEFORE START	**01**	**DISABLE**
			02	ENABLE
	08	RE-LOCK AFTER START	**01**	**DISABLE**
			02	ENABLE
			03	SMART RE-LOCK
	09	RE-LOCK AFTER RS SHUTDOWN	**01**	**DISABLE**
			02	ENABLE
			03	SMART RE-LOCK
	10	LOCK AFTER MT SHUTDOWN SEQUENCE	**01**	**DISABLE**
			02	ENABLE
			03	SMART RE-LOCK
	11	LOCK AFTER TURBO MODE	**01**	**DISABLE**
			02	ENABLE
	12	IGNITION CONTROLLED DOORLOCK	**01**	**DISABLE**
			02	ENABLE
			03	ENABLE 2000 RPM
	13	IGNITION CONTROLLED DOORLOCK SETTING	**01**	**LOCK + UNLOCK**
			02	LOCK ONLY
			03	UNLOCK ONLY
	14	TRUNK SEQUENCE	**01**	**DISARM, UNLOCK AND TRUNK**
			02	DISARM AND TRUNK
			03	TRUNK ONLY
	15	ANALOG REARM TRIGGER	**01**	**AFTER START, SHUTDOWN AND FIRST LOCK**
			02	AFTER SHUT DOWN AND FIRST LOCK
			03	AFTER START ONLY
			04	AFTER SHUTDOWN ONLY
	16	ANALOG DISARM SEQUENCE	**01**	**DISARM ONLY**
			02	DISARM WITH IGN CYCLE
	17	DL PARKING LIGHTS CONFIRMATION	01	DISABLE
			02	**ENABLE**
			03	ENABLE WITH IGNITION ONLY
			04	ENABLE WITHOUT IGNITION

Default settings are listed in bold.

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	OPTIONS		SETTINGS	
03 - ALARM/SECURITY OPTION	01	ALARM	**01**	**DISABLE**
			02	ENABLE
	02	ALARM DURATION	01	30 SEC
			02	**60 SEC**
			03	120 SEC
	03	ALARM TRIGGERED BEHAVIOR	**01**	**NO DELAY**
			02	DELAY WITH PARKING LIGHTS
			03	DELAY WITH PARKING LIGHTS AND CHIRPS
	04	PASSIVE ALARM/LOCKS	01	ACTIVE ONLY
			02	ALARM & LOCKS
			03	**ALARM ONLY**
			04	LOCKS ONLY
	05	PASSIVE ALARM/AUTO-RELOCK NOTI	**01**	**DISABLE**
			02	ALARM & LOCKS
			03	ALARM ONLY
			04	LOCKS ONLY
	06	PASSIVE ALARM/AUTO-RELOCK TIMING	**01**	**30 SEC**
			02	60 SEC
			03	5 MIN
			04	10 MIN
	07	PASSIVE OPEN ZONE BYPASS (FORCE	**01**	**DISABLE**
			02	ENABLE
	08	OPEN ZONE NOTIFICATION	01	DISABLE
			02	**ENABLE**
			03	15 SEC DELAY
			04	20 SEC DELAY
			05	25 SEC DELAY
			06	30 SEC DELAY
			07	35 SEC DELAY
	09	CONFIRMATION CHIRP (HORN OUTPUT)	01	DISABLE
			02	LOCK ONLY
			03	**DOUBLE LOCK ONLY**
			04	LOCK AND UNLOCK
			05	UNLOCK ONLY
			06	LOCK, UNLOCK, START
			07	DOUBLE LOCK, START
	10	CONFIRMATION CHIRP (SIREN OUTPUT)	01	DISABLE
			02	LOCK ONLY
			03	DOUBLE LOCK ONLY

	OPTIONS		SETTINGS	
03 - ALARM/SECURITY OPTION	10	CONFIRMATION CHIRP (SIREN OUTPUT)	**04**	**LOCK AND UNLOCK**
			05	UNLOCK ONLY
			06	LOCK, UNLOCK, START
			07	DOUBLE LOCK, START
	11	RESERSED FOR FUTURE USE	01	N/A
	12	CHIRP PULSE DURATION (HORN AND	01	20 MS
			02	**30 MS**
			03	40 MS
			04	45 MS
			05	50 MS
			06	60 MS
			07	100 MS
	13	SHOCK SENSOR INPUT BEHAVIOUR	01	DISABLE
			02	**ENABLE**
			03	WARN AWAY ONLY
			04	SHOCK ONLY
	14	ANALOG SENSOR (-) INPUT BEHAVIOUR	**01**	**DISABLE**
			02	WARN AWAY ONLY (-)
			03	SHOCK(-)
			04	NORMALY CLOSED ALARM(+)
			05	ZONE 2 PASSIVE 15(-)
			06	ZONE 2 PASSIVE 30(-)
	15	ALARM CONTROL FROM OEM KEYLESS	01	DISABLE
			02	**ENABLE**
	16	LED FLASHING	01	DISABLE
			02	**ENABLE (IGNITION OFF ONLY)**
			03	FOLLOW ALARM STATUS
	17	ALARM/PANIC WITH PARKING LIGHTS	01	DISABLE
			02	**ENABLE**
	18	CAR FINDER DURATION	**01**	**5 SEC**
			02	10 SEC
			03	15 SEC
			04	60 SEC
	19	STARTER KILL/ANTI-GRIND	**01**	**ANTI-GRIND + ACTIVE SK**
			02	ANTI-GRIND ONLY
			03	ANTI-GRIND+ PASSIVE SK 30 SECONDS
			04	ANTI-GRIND+ PASSIVE SK 60 SECONDS

Default settings are listed in bold.

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	OPTIONS	SETTINGS
04 - AUX OPTION	01 TRANSMITTER AUX 1	01 LEFT SLIDE DOOR
		02 RIGHT SLIDE DOOR
		03 PTO 1
		04 PTO 2
		05 PTO 3
		06 PTO 4
		07 CAR FINDER
		08 GAS CAP
		09 REAR GLASS
		10 HEATED SEATS
		11 COOLED SEATS
		12 PANIC
		13 DEFROST
	02 TRANSMITTER AUX 2	01 LEFT SLIDE DOOR
		02 RIGHT SLIDE DOOR
		03 PTO 1
		04 PTO 2
		05 PTO 3
		06 PTO 4
		07 CAR FINDER
		08 GAS CAP
		09 REAR GLASS
		10 HEATED SEATS
		11 COOLED SEATS
		12 PANIC
		13 DEFROST
	03 TRANSMITTER AUX 3	**01 LEFT SLIDE DOOR**
		02 RIGHT SLIDE DOOR
		03 PTO 1
		04 PTO 2
		05 PTO 3
		06 PTO 4
		07 CAR FINDER
		08 GAS CAP
		09 REAR GLASS
		10 HEATED SEATS
		11 COOLED SEATS
		12 PANIC
		13 DEFROST
	04 TRANSMITTER AUX 4	01 LEFT SLIDE DOOR

	OPTIONS	SETTINGS
04 - AUX OPTION	04 TRANSMITTER AUX 4	**02 RIGHT SLIDE DOOR**
		03 PTO 1
		04 PTO 2
		05 PTO 3
		06 PTO 4
		07 CAR FINDER
		08 GAS CAP
		09 REAR GLASS
		10 HEATED SEATS
		11 COOLED SEATS
		12 PANIC
		13 DEFROST
	05 TRANSMITTER AUX 5	01 LEFT SLIDE DOOR
		02 RIGHT SLIDE DOOR
		03 PTO 1
		04 PTO 2
		05 PTO 3
		06 PTO 4
		07 CAR FINDER
		08 GAS CAP
		09 REAR GLASS
		10 HEATED SEATS
		11 COOLED SEATS
		12 PANIC
		13 DEFROST
05 - AUX OPTION	01 POC 1	**01 UNLOCK OTHERS**
		02 DEFROST
		03 HORN
		04 IGN
		05 ACC
		06 START
		07 PARKING LIGHTS
		08 PULSE TIMER OUTPUT 1
		09 PTO1
		10 PTO2
		11 PTO3
		12 PTO4
		13 ARM
		14 DISARM
		15 LOCK

Default settings are listed in bold.

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	OPTIONS	SETTINGS
05 - POC OPTION	01 POC 1	16 UNLOCK
		17 TRUNK
		18 GWR
		19 LSD
		20 RSD
		21 RAP SHUTDOWN
		22 CAR FINDER
	02 POC 2	01 UNLOCK OTHERS
		02 DEFROST
		03 HORN
		04 IGN
		05 ACC
		06 START
		07 PARKING LIGHTS
		08 N/A
		09 PTO1
		10 PTO2
		11 PTO3
		12 PTO4
		13 N/A
		14 ARM
		15 DISARM
		16 LOCK
		17 UNLOCK
		18 TRUNK
		19 GWR
		20 LSD
		21 RSD
		22 RAP SHUTDOWN
	03 POC 3	01 UNLOCK OTHERS
		02 DEFROST
		03 HORN
		04 IGN
		05 ACC
		06 START
		07 PARKING LIGHTS
		08 PULSE TIMER OUTPUT 3
		09 PTO1
		10 PTO2

	OPTIONS	SETTINGS
05 - POC OPTION	03 POC 3	11 PTO3
		12 PTO4
		13 ARM
		14 DISARM
		15 LOCK
		16 UNLOCK
		17 TRUNK
		18 GWR
		19 LSD
		20 RSD
		21 RAP SHUTDOWN
		22 CAR FINDER
	04 POC 4 (LOW CURRENT WHEN ACTIVE)	**01 STARTER KILL**
		02 DEFROST
		03 HORN
		04 IGN
		05 ACC
		06 START
		07 PARKING LIGHTS
		08 PULSE TIMER OUTPUT 4
		09 PTO1
		10 PTO2
		11 PTO3
		12 PTO4
		13 ARM
		14 DISARM
		15 LOCK
		16 UNLOCK
		17 TRUNK
		18 GWR
		19 LSD
		20 RSD
		21 RAP SHUTDOWN
		22 CAR FINDER

Default settings are listed in bold.

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	OPTIONS	SETTINGS
06 - PULSE TIMER OUTPUT OPTION	01 PTO 1 DURATION	**01 1 SECOND PULSE**
		02 LATCHED 10 SEC
		03 LATCHED 15 SEC
		04 LATCHED 20 SEC
		05 LATCHED 30 SEC
		06 LATCHED 5 MIN
		07 LATCHED 10 MIN
		08 RUN TIME LATCH
	02 PTO 2 DURATION	**01 1 SECOND PULSE**
		02 LATCHED 10 SEC
		03 LATCHED 15 SEC
		04 LATCHED 20 SEC
		05 LATCHED 30 SEC
		06 LATCHED 5 MIN
		07 LATCHED 10 MIN
		08 RUN TIME LATCH
	03 PTO 3 DURATION	**01 1 SECOND PULSE**
		02 LATCHED 10 SEC
		03 LATCHED 15 SEC
		04 LATCHED 20 SEC
		05 LATCHED 30 SEC
		06 LATCHED 5 MIN
		07 LATCHED 10 MIN
		08 RUN TIME LATCH
	04 PTO 4 DURATION	**01 1 SECOND PULSE**
		02 LATCHED 10 SEC
		03 LATCHED 15 SEC
		04 LATCHED 20 SEC
		05 LATCHED 30 SEC
		06 LATCHED5 MIN
		07 LATCHED 10 MIN
		08 RUN TIME LATCH

Default settings are listed in bold.

	OPTIONS	SETTINGS
07 - INPUT SOURCE	01 BRAKE	01 ANALOG
		02 DATA
		03 AUTO
	02 DOOR	01 ANALOG
		02 DATA
		03 AUTO
	03 TACH	01 ANALOG
		02 DATA
		03 AUTO
	04 HOOD	01 ANALOG
		02 DATA
		03 AUTO
		04 ANALOG INVERTED
	05 TRUNK	01 ANALOG
		02 DATA
		03 AUTO
	06 GLOW PLUG	01 ANALOG
		02 DATA
		03 AUTO
	07 E-BRAKE	01 ANALOG
		02 DATA
		03 AUTO
	08 TEMPERATURE	01 ANALOG (TEMP SENSOR)
		02 DATA (FROM CAR)
		03 AUTO
	09 VSS	01 DISABLE
		02 AUTO

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	OPTIONS	SETTINGS
08 - OUTPUT SOURCE	01 ARM	01 ANALOG
		02 ANALOG/DATA
	02 DISARM	01 ANALOG
		02 ANALOG/DATA
	03 LOCK	01 ANALOG
		02 ANALOG/DATA
	04 UNLOCK ALL	01 ANALOG
		02 ANALOG/DATA
	05 UNLOCK DRIVER DOOR	01 ANALOG
		02 ANALOG/DATA
	06 TRUNK	01 ANALOG
		02 ANALOG/DATA
	07 LEFT SLIDING DOOR	01 ANALOG
		02 ANALOG/DATA
	08 RIGHT SLIDING DOOR	01 ANALOG
		02 ANALOG/DATA
	09 PARKING LIGHTS	01 ANALOG
		02 ANALOG/DATA
	10 RAP SHUT DOWN	01 ANALOG
		02 ANALOG/DATA
	11 PANIC	01 ANALOG
		02 ANALOG/DATA
	12 CAR FINDER	01 ANALOG
		02 ANALOG/DATA
	13 DEFROST	01 ANALOG
		02 ANALOG/DATA
	14 HORN	01 ANALOG
		02 ANALOG/DATA
	15 SLEEP STATUS ON LED	**01 DISABLE**
		02 ENABLE

Default settings are listed in bold.

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REMOTE STARTER ERROR CODES: NOTES	[X] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system. II After a remote starter failure, the parking lights will flash three [3x] times, then will flash [X] number times to indicate an error code. See table.	01	Engine running.
	02	Key in ignition at ON position.
	03	Door is open.
	04	Trunk is open.
	05	Foot brake is ON.
	06	Hood is open.
	07	The reservation is OFF. (Manual transmission only)
	08	Tach failure.
	09	The vehicle is moving (VSS).
	10	System is in Valet Mode.
	11	CAN communication failure
	12	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	13	Bypass problem.

REMOTE STARTER SHUTDOWN ERROR CODES: NOTES	[Y] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system. II If the engine shuts down after a remote starter sequence: Press and hold the Trunk button and the Start button at the same time for 2.5 seconds when using a 1-WAY remote. OR Press once [1x] on button "4" when using a 2-WAY remote. The parking lights will flash four [4x] times, then will flash [Y] number times to indicate an error code. See table.	01	Engine tach signal is lost.
	02	Emergency brake is lost.
	03	Foot brake is ON.
	04	Hood is open.
	05	Engine RPM limiter is ON.
	06	Glow plug timeout error.
	07	Vehicle is moving (VSS).
	08	N/A
	09	N/A
	10	Door is open.
	11	CAN communication failure during RS sequence.
	12	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	13	Takeover is not allowed.
	14	Shutdown error, board overheat protection.

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TEST MODULE		LED 1 STATUS	DIAGNOSTIC
I	DURING PROGRAMMING	Flashing RED	Missing/wrong information from firmware or vehicle.
		Solid RED	Module waiting for more vehicle information.
		Flashing GREEN	Additional steps required to complete module programming.
		Solid GREEN then OFF	Module correctly programmed.
		OFF	No activity or module already programmed.
II	DURING REMOTE START	Flashing RED	Module incorrectly programmed.
		Solid RED	Module incorrectly programmed.
		Flashing GREEN	Module correctly programmed and operational.
		Solid GREEN then OFF	Reset in progress.
		OFF	Invalid ground when running status from remote starter.
III	WITH IGNITION OFF	Flashing RED	Module incorrectly programmed or connected.
		Solid RED	Module not programmed. Waiting for more vehicle information.
		Flashing GREEN	False ground when running status from remote starter.
		Solid GREEN then OFF	Reset in progress.
		OFF	Module at rest and ready for a remote start sequence.

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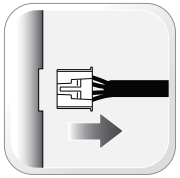
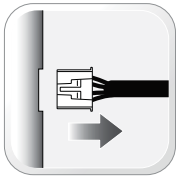
The following procedure resets the module programming to the vehicle. It does not reset any settings configured online.

01



Disconnect all connectors from module except the BLACK 20-PIN connector.

02



Disconnect the BLACK 20-PIN connector.

03

PRESS AND HOLD the module's programming button while connecting the BLACK 20-PIN connector.

04

Wait, LED 1 will flash RED. RELEASE programming button.

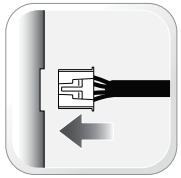
05

LED 1 will turn RED for 2 seconds.

06

Module RESET completed.

07



Reconnect all connectors.

08

Repeat programming procedure.

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Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.

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